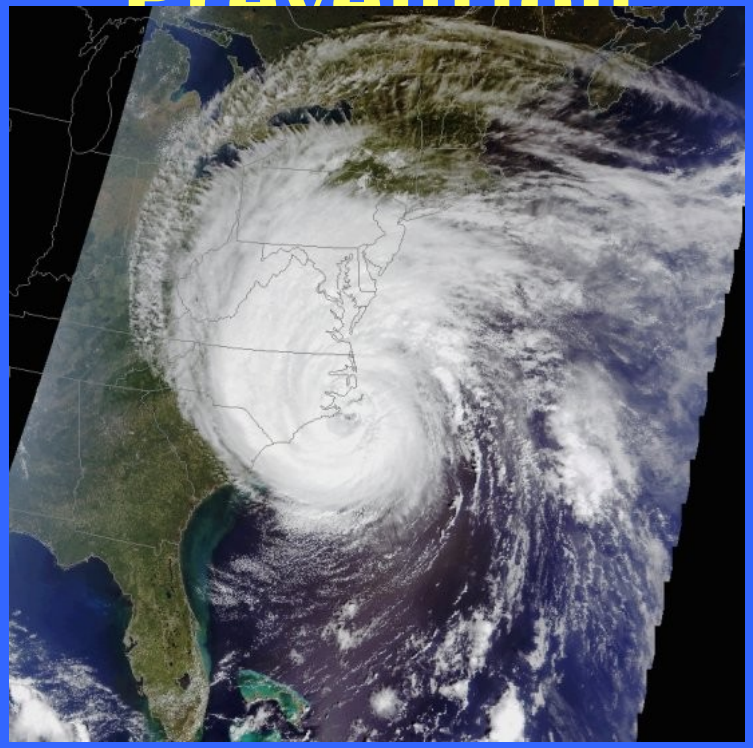
North Atlantic Division

USACE's National Planning Center of Expertise for Hurricane and Storm Damage Prevention



Economic & Environmental Conference 15 April

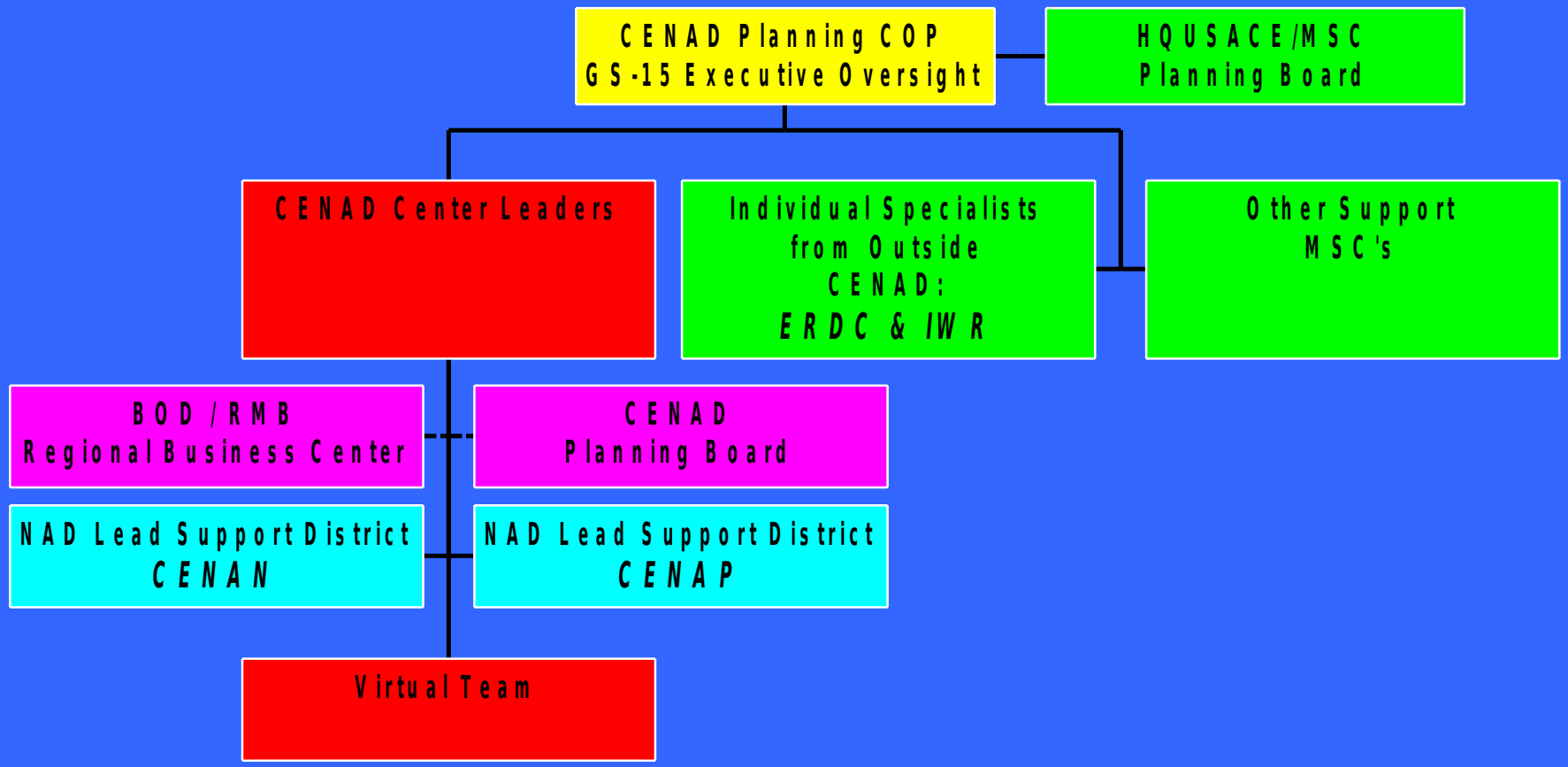
National Planning Center of Expertise for Hurricane and Storm Damage Prevention

- Background
- Structure
- Recent activities
- Relationship to current Planning Activities
- Future plans

NAD Background

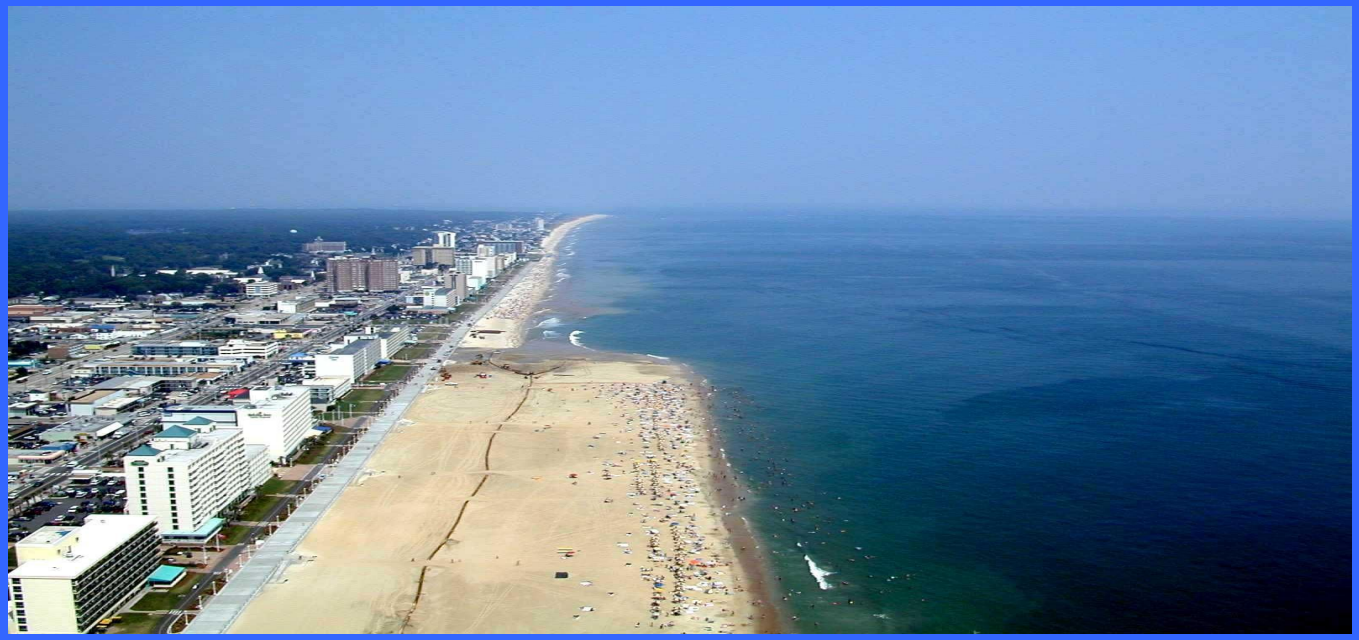
- **Selected on 25 Aug 2003.**
- **Planning & development of 16,700 miles of coastline.**
- **Full service team.**
- **Integrating HSDP with environmental restoration.**

Structure of Planning HSDP Center



Recent Activities

- **Hurricane Isabel Post Storm Study**
- **Regional Sediment Management (RSM) Initiative**
- **Planning Associates Program module**



Hurricane Isabel (Sept. 6-19, 2003)

- Category 5 storm @ 160mph, down to 2 @ 100mph during landfall

- Strongest hurricane to strike US since 1999.

- Damage: $2 billion.

6 disaster declarations.

Hurricane Isabel Post Storm Study

- Center's 1st task. Directed by HQ.
- NAP lead.
- ERDC & IWR support.
- Unbudgeted study.
- FEMA input ignited study.

Hurricane Isabel Post Storm Report

- Existing project performance
- Damages which could be prevented
- High water mark assessment
- Performance of ecosystem restoration projects

Hurricane Isabel Post Storm Report

- Story of Hatteras Breach
- Storm Damage Relationships
- Model performance
- Define Storm Characteristics
- Lessons Learned

Regional Sediment Management

Regional Sediment Management (RSM)

WHAT IS RSM?

- **Sediment/sand is a resource**
- **Watershed approach**
- **Link project/study areas into a *region***
- **Coastal, navigation & environmental**

NAD RSM Workshop

- **First RSM Workshop hosted by an MSC**
- **Attended by NAD, SAD, SAM, IWR, ERDC and local project stakeholders**
- **Lessons Learned to further implementation**

Workshop Outputs

- NAD & District teams established
- Outreach program
- NAD RSM website
- Regional GIS

https://rbc.nado.ds.usace.army.mil/RSM/regional%20sediment%20mgmt.htm

US Army Corps of Engineers

The Corps of Engineers Planning Associates Program

- **Water resources planning training program**

- **Current Planning HSDP team developed Coastal Planning Module.**

- **Diverse topics and instructors.**

Environmental Actions

Environmental Actions

- 1st Coastal Ecosystem Restoration Workshop Oct 2003.
- Core Curriculum Training-250 trained
- Partnering Actions with TNC
- Coastal America Partnership Awards
- Active in Federal Agency Consortiums targeting ecosystem restoration

Sedge Islands Protection, Ocean County, NJ
Section 204 of WRDA 92
(Ecosystem Restoration in Connection with Dredging)
Philadelphia District
COASTAL AMERICA
A Partnership for Action
Located at Island Beach State Park, NJ
Breach repair creates 19 acres of beach and dune habitat and protects 1,000 acres of tidal marsh and 14 acres of shallow water habitat.
Ongoing Lessons Learned

Economic Actions

Economic Actions

Economic Actions flow throughout most activities of the Planning Center of Expertise for HSDP.

- **ITR**
- **Model/ tool maintenance**
- **Training**
- **Professional Development**
- **Expertise and technical support**
- **Community of Practice**

HSDP Future Actions

- **Website**
- **Promote assistance to districts**
- **RSM Workshop forecast for Fall 04. Other topical workshops in the works.**
- **Host *Coastal Planning* course session for planners Corps wide**

Community of Practice

- Team approach
- Fosters learning & communicates knowledge
- Bonds with external communities of practice.
- Utilizes experts to develop policy & guidance.
- Promotes innovation.

NAD Planning COP

Technical 13's

- **In Conclusion**
- **Any Questions???**